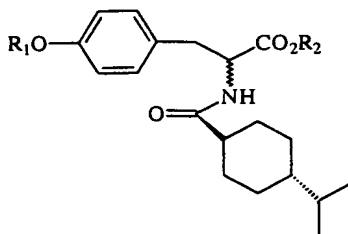


We claim:

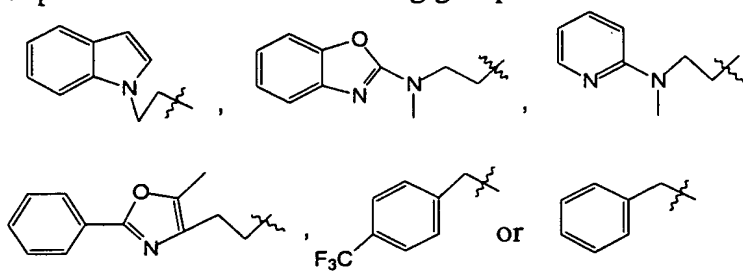
1. An alanine compound of formula (I) or their salts :



(I)

Wherein the configuration of α -carbon atom of alanine is *R* or *S*;

R_1 is hydrogen, substituted or unsubstituted C_{1-6} alkyl, or aryl or aromatic heterocyclic group selected from the following groups:



and R_2 is hydrogen or substituted or unsubstituted C_{1-6} alkyl.

2. An alanine compound or its salt of claim 1 selected from the group consisting of :

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]phenyl]propionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-[N-methyl-N-(2-benzoxazolyl)amino]ethoxy]phenyl]propionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]phenyl]propionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-[N-methyl-N-(2-benzoxazolyl)amino]ethoxy]phenyl]propionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-(1-indolyl)-ethoxy]phenyl]propionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-(1-indolyl)-ethoxy]phenyl]propionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-(4-trifluoromethylbenzyloxy)phenyl]propionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-(4-trifluoromethylbenzyloxy)phenyl]propionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-benzyloxy phenyl)

propionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-benzyloxyphenyl) propionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-butoxyphenyl)-prop ionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-butoxyphenyl)-prop ionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-ethoxyphenyl)- propionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-ethoxyphenyl)-prop ionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-methoxyphenyl)pro pionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-ethoxyphenyl)propi onic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-hydroxyphenyl)pro pionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-hydroxyphenyl)pro pionic acid;

(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-[N-methyl- N-(2-pyridyl)amino]ethoxyl]phenyl]propionic acid;

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-[4-[2-[N-methyl- N-(2-pyridyl)amino]ethoxyl]phenyl]propionic acid;

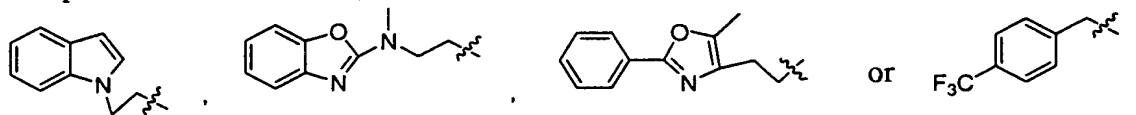
(2*S*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-hydroxyphenyl) propionic acid methyl ester; and

(2*R*)-2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-hydroxyphenyl) propionic acid methyl ester.

3. A method for preparing an alanine compound or its salt of claim 1, said method comprising the following steps:

(1) condensing *trans*-4-isopropylcyclohexylcarboxylic acid N-hydroxysuccinimide ester and L-tyrosine methyl ester or D-tyrosine methyl ester conduct in an inert solvent to produce 2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-hydroxyphenyl) propionic acid methyl ester; and

(2) conducting a Mitsunobu reaction with the 2-[N-(*trans*-4-isopropylcyclohexylcarbonyl)amino]-3-(4-hydroxyphenyl) propionic acid methyl ester and a corresponding heterocycloalkyl alcohol or aromatic alcohol, followed by hydrolyzing the reaction product with inorganic base to obtain the compounds of formula (I), wherein R₁ is



and R₂ is hydrogen; and optionally
(2) preparing a pharmaceutical acceptable of said compound.

8. The method of claim 7, wherein said base is an inorganic base selected from sodium hydroxide, lithium hydroxide, potassium hydroxide, sodium carbonate, potassium carbonate, lithium carbonate; said hydrolyzing being optionally conducted in the presence of a solvent selected from a mixed solvent of tetrahydrofuran and methanol, a mixture of alcohols solvent, or chloroform, dichloromethane, or benzene.

9. A method of treating a person with type II diabetes comprising administering a compound of claim 1 to said person.